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List of Publications by Year in descending order

63 papers	643 citations	471509 17 h-index	610901 24 g-index
64 all docs	64 docs citations	64 times ranked	237 citing authors

#	Article	IF	Citations
1	Effects of eight-quark interactions on the hadronic vacuum and mass spectra of light mesons. Annals of Physics, 2007, 322, 2021-2054.	2.8	56
2	Pion Observables in the Extended NJL Model with Vector and Axial-Vector Mesons. Annals of Physics, 1996, 249, 499-531.	2.8	49
3	Four-point functions in quark flavor dynamics: meson-meson scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 443-450.	4.1	34
4	Dynamical chiral symmetry breaking by a magnetic field and multi-quark interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 262-267.	4.1	34
5	Strong and radiative meson decays in a generalized Nambu-Jona-Lasinio model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 163-167.	4.1	33
6	Lowering the critical temperature with eight-quark interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 91-94.	4.1	31
7	Phase diagram for the Nambuâ€“Jona-Lasinio model with â€™t Hooft and eight-quark interactions. Physical Review D, 2010, 81, .	4.7	30
8	Stationary phase corrections in the process of bosonization of multi-quark interactions. European Physical Journal C, 2006, 46, 225-233.	3.9	24
9	OZI violating eight-quark interactions as a thermometer for chiral transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 270-274.	4.1	23
10	Medium effects on meson properties. Nuclear Physics A, 1994, 575, 460-476.	1.5	22
11	Light quark masses in multi-quark interactions. European Physical Journal A, 2013, 49, 1.	2.5	22
12	THERMODYNAMIC POTENTIAL WITH CORRECT ASYMPTOTICS FOR PNJL MODEL. International Journal of Modern Physics A, 2012, 27, 1250060.	1.5	20
13	Effective multiquark interactions with explicit breaking of chiral symmetry. Physical Review D, 2013, 88, .	4.7	20
14	Aspects of UA(1) breaking in the Nambu and Jona-Lasinio model. Annals of Physics, 2006, 321, 2504-2534.	2.8	19
15	On the evaluation of semiclassical nuclear many-particle many-hole level densities. Nuclear Physics A, 1986, 456, 109-133.	1.5	18
16	The temperature dependence of the optical model potential and of the nucleon mean free path. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 161, 211-216.	4.1	17
17	Mesonic excitations in the Nambu-Jona-Lasinio quark-antiquark continuum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 1-6.	4.1	17
18	Nonuniform phases in a three-flavor Nambuâ€“Jona-Lasinio model. Physical Review D, 2014, 89, .	4.7	17

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19	Electromagnetic form factors in the Nambu-Jona-Lasinio model. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1988, 331, 75-82.	0.3	13
20	Bubble formation in hot nuclei induced by statistical fluctuations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 239-241.	4.1	11
21	On the role of quantum tunnelling and statistical effects in the liquid gas phase transition of hot nuclei. Nuclear Physics A, 1988, 484, 295-314.	1.5	11
22	Ï€0â^Î·â^Î·â€²mixing in a generalized multiquark interaction scheme. Physical Review D, 2016, 93, .	4.7	10
23	Energetic particles emitted from energetic nuclear reactions. Zeitschrift FÃ¼r Physik A, 1982, 306, 177-182.	1.4	9
24	The method of virtual quanta applied to pion production in heavy ion collisions. Nuclear Physics A, 1986, 454, 746-760.	1.5	9
25	Dispersion and uncertainty in multislit matter wave diffraction. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1485-1490.	2.6	9
26	Metastable hot nuclei in a semiclassical description. Nuclear Physics A, 1989, 504, 300-322.	1.5	8
27	Low-energy dynamics of the Î³Î³ â†' Ï€Ï€ reaction in the NJL model. Nuclear Physics A, 1996, 604, 406-428.	1.5	8
28	Quark-antiquark resonances in the NJL model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 483-490.	4.1	8
29	Muon-induced prompt fission of uranium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 112, 113-115.	4.1	7
30	Temperature dependence of bifurcation of equilibria in the SU(2) Lipkin model. Journal of Physics A, 1994, 27, 697-713.	1.6	6
31	Momentum dependent vertices ???, ??? and ??? the NJL scalar hidden by chiral symmetry. Zeitschrift FÃ¼r Physik A, 1994, 350, 229-235.	0.9	6
32	Thermodynamical properties of strongly interacting matter in a model with explicit chiral symmetry breaking interactions. Physical Review D, 2018, 98, .	4.7	5
33	Effects of Quark Interactions on Dynamical Chiral Symmetry Breaking by a Magnetic Field. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	5
34	Finite-temperature dynamics of the chaotic maser model. Journal of Physics A, 1992, 25, 2243-2252.	1.6	4
35	Analytic perturbation theory versus expansion in the Grossâ€"Neveu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 346-349.	4.1	4
36	Thermal linear response of the chaotic maser model. Journal of Physics A, 1993, 26, 581-589.	1.6	3

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37	Quadrupole polarizabilities of the pion in the Nambuâ€“Jona-Lasinio model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 147-150.	4.1	3
38	Application of a fusion model using collective variables and microscopically related mass parameters. Nuclear Physics A, 1982, 391, 505-519.	1.5	2
39	Tunnelling at finite temperature in the LMG model. Journal of Physics A, 1996, 29, 3993-4004.	1.6	2
40	One-loop determinant of Dirac operator in non-renormalizable models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 324-328.	4.1	2
41	Application of Quantum Darwinism to Cosmic Inflation: An Example of the Limits Imposed in Aristotelian Logic by Information-based Approach to GÃ¶delâ€™s Incompleteness. Foundations of Science, 2010, 15, 199-211.	0.7	2
42	The phase diagram in the SU(3) Nambu-Jona-Lasinio model with â€™t Hooft and eight-quark interactions. , 2010, , .		2
43	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 1171.	0.1	2
44	Time-dependent excitation of the LMG nucleus in SchrÃ¶dinger and TDSHF theories. Nuclear Physics A, 1985, 440, 62-88.	1.5	1
45	Aspects of pseudoscalar meson production in two-photon fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 168-172.	4.1	1
46	Pion, sigma and nucleon propagators in the linear ?-model. Zeitschrift FÃ¼r Physik A, 1995, 352, 197-202.	0.9	1
47	Meson loop corrections to the NJL model. Brazilian Journal of Physics, 1999, 29, 469-482.	1.4	1
48	Topâ€“Bottom Condensation Model: Symmetries and Spectrum of the Induced 2HDM. Symmetry, 2021, 13, 1130.	2.2	1
49	Light Quark Mass Differences in the $pi ^0$--$eta $--$eta '$ System. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 413.	0.1	1
50	The absorptive part of the nucleus-nucleus potential in a semiclassical approach. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1987, 328, 431-444.	0.3	0
51	Multiparticle production in photon-photon collisions. Physical Review D, 1989, 40, 44-46.	4.7	0
52	On the origin of the vector meson dominance. Nuclear Physics A, 1995, 589, 660-668.	1.5	0
53	Stable Multiquark Interactions. AIP Conference Proceedings, 2007, , .	0.4	0
54	Eight-quark interactions as a chiral thermometer. Indian Journal of Physics, 2011, 85, 813-818.	1.8	0

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55	The Polyakov-Nambu-Jona-Lasinio model with six and eight quark interactions. , 2011, , .		0
56	PANEL DISCUSSION VII: COSMOLOGY. , 2015, , .		0
57	Fluctuations of the Metric Tensor: On Fermion Propagators and on the Cosmological Constant. International Journal of Theoretical and Mathematical Physics, 2012, 2, 61-66.	0.2	0
58	Susceptibilities in the PNJL Model with 8-Quark Interactions and Comparison with lQCD. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 457.	0.1	0
59	Role of Current Quark Mass Dependent Multi-quark Interactions in Low Lying Meson Mass Spectra. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 757.	0.1	0
60	ON THE AVERAGE THERMAL EVOLUTION OF THE UNIVERSE. , 2015, , .		0
61	Quark Mass Effects in the Thermodynamical Properties of an Extended (P)NJL Model. , 2019, , .		0
62	ON THE ROLE OF QUANTUM AND STATISTICAL EFFECTS IN THE LIQUID GAS PHASE TRANSITION OF HOT NUCLEI. Journal De Physique Colloque, 1986, 47, C4-423-C4-426.	0.2	0
63	SEMICLASSICAL CALCULATION OF THE IMAGINARY PART OF THE ION-ION OPTICAL POTENTIAL. Journal De Physique Colloque, 1987, 48, C2-251-C2-254.	0.2	0